FORM 14 E INFORMATION DISCLOSURE STATEMENT	Docket Number: 7885.65USWO	Application Number: 09/331,376
IN AN APPLICATION (Use several sheets if necessary)	Applicant: FODSTAD, et al.	
(Use several sheets if necessary)	Filing Date: June 18, 1999	Group Art Unit: 1643

			U.S. PATENT DOCUMEN	TS			
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Thei	4.857,452	Aug. 15. 1989	Но				
	4,752,569	-Jun. 21, 1988	Terasaki et al.				
	-5,019,497	May 28, 1991	Olsson				
	4,659,678	Apr. 21, 1987	Forrest et al.				
	5,422,277	-Jun: 6, 1995	Connelly et al.				
	4,219,411	Aug. 26, 1980	Yen et al.				
	4,710,472	Dec. 1, 1987	Saur et al.				
	4,920,061	apr. 24, 1990	Poynton et al.				
	4,925,922	-May 15, 1990	Byers et al.				
	5,322,678	Jun. 21, 1994	Morgan, Jr. et al.		-7 m	claci	9
	5,095,097	Mar. 10, 1992	Hermentin et al.	cla			
	5,536,644	Jul. 16, 1996	Ullman et al.				
	5,256,532	Oct. 26, 1993	Melnicoff et al.				
	5,264,344	Nov. 23, 1993	Sneath				· · ·
	5,424,213	Jun. 13, 1995	Mougin				
	5,491,068	Feb. 13, 1996	Benjamin et al.				
	5,514,340	May 7, 1996	Lansdorp et al.				
J′	5,624,815	Apr. 29, 1997	Grant et al.				
		FC	PREIGN PATENT DOCUM	ENTS			
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FORM 1449\*

Docket Number:

	INFORMATION DISCLOSURE STATEMENT  IN AN APPLICATION					Docket Number: 7885.65USWO			Application Number: 09/331,376			
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	WO 88/05	309	July 28, 1988	PCT								
	WO 94/02	016	Feb. 3, 1994	PCT								
	WO 91/09	058	June 27, 1991	PCT								
	WO 95/348	817	Dec. 21, 1995	PCT							-	
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	1994	Dialog Inform "Positive selectincreased by a	ation Service, File tion of hematopies nti-CD2 and anti-	159, Cancerlit tic CD34+ sten CD30 immun	, Dialog acces n cells provide otoxins", Bone	sion no. 01 es 'indirect p	046200, Courging of	ancerlit acces	sion no. 9	94290389, Lem and the purgin	oli RM et al: g efficiency is	
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		WO 91/0993	8	Jul. 11, 1991	PCT						
		098 534		Jan. 18, 1984	EPO						
		339 769		Nov. 2, 1989	EPO						
		131 934		Jan. 23, 1985	EPO		•	<u> </u>			
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4					TTS (Including Author, T						
$\forall t$	leis	1994	K.M. Stray, o in Bone Mar	K.M. Stray, et al.; "Purging Tumor Cells from Bone Marrow or Peripheral Blood Using Avidin-Biotin Immunoadsorption"; Advances in Bone Marrow Purging and Processing; 1994; Orlando: Wiley-Liss, Inc.; pp 97-103.							
١		January 1993	BIO/TECHN	OLOGY, Volume	11, Bjorn-Ivar Haukane	es et al., "Ap	oplication of M	lagnetic Be	ads in Bioa	ssays" page 60.	
		1990	Puring Ficol	MMUNOL, Volum l-Paque-Separate d page 295, right o	ne 31, J. Heldrup, "A Nev d Leucocytes of Contami column.	w Technique nating Erytl	e Using an Agg hroid Lineage	gregating A Cells", pag	antibody Ag e 289 – pag	gainst Glycophorge 296, see "Mat	rin in-A for erials and
		1997	Rye, et al.; "	Immunobead Filtra	ation"; American Journal	of PAtholo	gy; January 19	97; Vol. 1:	50, No. 1, p	p. 99-107.	
	_	1993	A. Bennick of 1993; pp. 21		ethod for Selecting Special	fic Hybride	ma Clones usi	n <del>g Parama</del> ş	<del>gnetic Dyna</del>	beads"; Scand	L.Immunol.,
	8-2-1	-1986	Michael I. B Research, I		oody-Pseudomonas Exot	oxin A Con	ijugates Cytoto	xic to Hun	nan Breast (	Cancer Cells in	Vitro"; Cancer
		1989	lan c. Ander 4659-4664.	son, et al.: "Elimin	nation of Malignant Clone	ogenic Brea	st-Cancer Cell	s from Hun	nan Bone M	farrow"; Cance	r Research; pp.
		1991	K.C. O-Bria	ant, MS, et al.; Elir	mination of Clongenic Br	east Cancer	r Cells from Hi	ıman Bone	Marrow";	Cancer; 1991; p	pp. 1272-1278.
		1993	C.L. Tyer, e Technique";	t al.; "Breast Canc Abstract to First	er Cells are Effectively P meeting of International	Purged from Society for	Peripheral Blo Hematotherap	od Progen y and Graft	itor cells U: Engineerin	sing an Immuno ig,-Orlando, Fl,-	magnetic 1993. Mag
		1992		irpe, et al.; "Ribos 10, pp. 405–412.	ome-Inactivating Protein	ns from Plar	nts: Present Sta	itus and fut	ure Prospec	cts"; Bio/Techno	
		1993	Luigi Barbio	eri, et al.; "Ribosor	ne-inactivating proteins	from plants	<del>"; Biochimica</del>	et Biophys:	ica Acta; 19	93 <del>; pp. 237–28</del>	e vol.
		1994	R.M. Lemol	li, et al.; "Positive : efficiency is incre	selection of hematopoieticased by anti-CD2 and an	c CD34+ st iti-CD30 in	em cells provi nmunotoxins";	des 'indirec Bone Mai	t purging o row Transp	of CD34- lymph clantation; 1994	old cells and ; pp. 465–471.
	1	1992	I.J. Diel, et	al.; "Detection of	Tumor Cells in Bone Mar cal-Oncology, 1992, pp.	rrow of Pati	ients with Prin	nary Breast	Cancer: A	Prognostic Fact	or for Distant

EXAMINER	W.	TDAUS	DATE C	ONSIDERED	3/10/00			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.								

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ENT & THANK		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
TO) as	4992	W. Kemmer, et al.; "Separation of tumor cells from a suspension of dissociated human colorectal carcinoma tissue by means of morioclonal antibody-coated magnetic heads": Journal of Immunological Methods; 1992; pp. 197-200.
	1990	C.I. Civin, et al.,; "Positive stem cell selection -basic science"; Progress in Clinical and Biological Research; Vol. 333, 1990, pp. 387-402.
	1989	D. Pilling, et al.; "The kinetics of interaction between lymphocytes and magnetic polymer particles"; National Library of Medicine, File Medline, Medline accession no. 90010165; Sept. 1, 1989; 122(2) pp. 235-41.
	1984	E.H. Dunlop, et al.; "Magnetic separation in biotechnology"; Biotech ADVS; Vol. 2, 1984, pp. 66-69.
	1985	C.H. Setchell; "Magnetic Separations in Biotechnology- a Review"; J. Chem. Tech. Biotechnol.; Vol. 35B, No. 3, 1985, pp. 175-18
	1991	J.H. Pizzonia, et al.; "Immunomagnetic separation, primary culture, and characterization of cortical thick ascending limb plus dista convoluted tubule cells from mouse kidney"; National Library of Medicine, File Medline, Medline accession no. 07671620; Br J Haematol Mar 1991; 77 (3), pp. 267-273.
	1991	R.M. Leven, et al.,; "Immunomagnetic bead isolation of megakaryocytes from guinea-pig bone marrow: effect of recombinant interleukin-6 on size, ploidy and cytoplasmic fragmentation"; National Library of Medicine, File Medline, Medline accession no. 07671620; Br J Haematol Mar 1991; 77 (3), pp. 267-273.
	1987	G. Kvalheim, et al.; "Elimination of B-Lymphoma Cells from Human Bone Marrow: Model Experiments Using Monodisperse Magnetic Particles Coated with Primary Monoclonal Antibodies"; Cancer Research; "Vol. 47, February 1987, pp. 846-851.
	1987	J.T. Kemshead, et al.; "Monoclonal antibodies and magnetic microspheres for the depletion of leukamic cells from bone marrow harvested for autologous transplantation"; <i>Bone Marrow Transplantation</i> , 1987; Vol. 2, pp. 133–139.
	1987	G. Kvalheim, et al.; "Immunomagnetic purging of B-lymphoma cells from human bone marrow"; Dialog Information service, File 159, Cancerlit, Dialog accession no. 00359663; Fourth European Conference on Clinical Oncology and Cancer Nursing, Nov. 1-4 1987, Madrid, Federation of European Cancer Societies, pp. 262, 1987.
	1988	T. Lea, et al.; "Monosized, magnetic polymer particles: their use in separation of cells and subcellular components, and in the study lymphocyte function in vitro"; <i>National Library of Medicine, File Medline, Medline accession no. 90234499</i> ; J. Mol. Recognit.; Fel 1988; 1(1), pp. 9-18.
	1993	Arms T. Muklebust, et al.; "Eradication of Small Cell Lyng Cancer Cells from Human Bone Marrow with Immunotoxins"; Cancer Research; 1993; pp. 3784–3788.
	1993	William P. Peters, et al.; "High-Dose Chemotherapy and Autologous Bone Marrow Support as Consolidation After Standard-Dose Adjuvant Therapy for High-Risk Primary Breast Cancer"; Journal of Clinical Oncology; June 1993; Vol. 11, No. 6, pp.1132-1143
	1994	James O. Armitage, M.D.; "Bone Marrow Transplantation"; New England Journal of Medicine; March 24, 1994; Vol. 330, No. 12, pp. 827-838.
	1990	Thomas J. Moss, et al.; "Contamination of Peripheral Blood Stem Cell Harvests by Circulating Neuroblastoma Cells"; <i>Blood</i> ; 1990; Vol. 76, No. 9, pp. 1879–1883.
	1993	Amy A. Ross, et al.; "Detection and Viability of Tumor Cells in Peripheral Blood Stem Cell Collections From Breast Cancer Patient Using Immunocytochemical and clonogenic Assay Techniques"; Blood; 1993; Vol. 82, No. 9, pp. 2605–2610.
	1993	Malcolm K. Brenner, et al.; "Gene-marking to trace origin of relapse after autologous bone-marrow transplantation"; Lancer, 1993, pp. 85-86.
	1991	John G. Gribben, M.D., et al.; "Immunologic Purging of Marrow Assessed by PCR Before Autologous Bone Marrow Transplantation for B-Cell Lymphoma"; New England Journal of Medicine; November 28, 1991; Vol. 325, No. 22, pp. 1525-1533.
	1994	Elizabeth J. Shpall, et al.; "Release of Tumor Cells from Bone Marrow"; Blood, February 1, 1994; pp. 623-625.
$\int$	1994	Wolfram Brugger, et al.; "Mobilization of Tumor Cells and Hematopoietic Progenitor Cells Into Peripheral Blood of Patients With Solid Tumors"; Blood; 1994; Vol. 83, No. 3, pp. 636–640.

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PIEM & TRADE	MET SA	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
Moes	1992	Ger J. Strous, et al.; "Muoin-Type Glycoproteins"; Critical Reviews in Blochemistry and Molecular Biology, 1992, pp. 57-92.
	1986	Lou de Leij, et al.; "The Use of Monoclonal Antibodies for the Pathological Diagnosis of Lung Cancer"; In: H.H. Hansen (ed), Lung Cancer: Basic and Clinical Aspects; Boston: Martinus Niijhoff Publishers, 1986; pp. 31-48.
	.1992	Aslak Godal, et al.: "Immunotoxins directed Against the High-Molecular-Weight Melanoma-Associated Antigen: Identification of Potent Antibody-Toxin Combinations"; Int. J. Cancer; 1992; pp. 631-635.
	1978	V.D. Courtenay, et al.: "An In Vitro Colony Assay For Human Tumours Grown in Impressed Mice and Treated In Vivo with Cytotoxio Agents", Br. J. Cancer, 1978, pp. 261–268.
	1992	M.Y. Wang, et al.; "An effective immunomagnetic method for bone marrow purging in T-cell malignancies"; Bone Marrow Transplantation; 1992; pp. 319-323.
	19 <u>94</u>	Arme T. Myklebust, et al.; "Comparison of Two Antibody-based Methods for Elimination of Breast Gancer Cells from Human Bone Marrow"; Cancer Research; 1994; pp. 209–214.
	1993	Connie J. Eaves, "Peripheral Blood Stem Cells Reach New Heights", Blood, 1993; pp. 1957-1959.
	1994	Elizabeth J. Shpall, et al.; "Transplantation of Enriched CD34-Positive Autologous Marrow Into Breast Cancer Patients Following High-Dose Chemotherapy: Influence of CD34-Positive Peripheral-Blood Progenitors and Growth Factors on Engraftment"; <i>Journal of clinical Oncology</i> , 1994; Vol. 12, No. 1, pp. 28-36.

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				U.S. PATENT DOCUMENT	гs			
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. Thees	4,510.244		Apr. 9, 1985	Parks et al.			-/1	PM
	5,340,719		Aug. 23. 1994	Hajek et al.			701	20
	5,32 <del>6,696</del>		Jul. 5, 1994	Chang	0	7	JUL 1	9 1999 0
	5,405,784		Арг. 11, 1995	Van Hoegaerden	1.60		THE STATE OF THE S	E.
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	5,194,300		Mar. 16, 1993	Cheung	- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
	5,374,531		Dec. 20, 1994	Jensen				
/	5,290,707		Mar. 1, 1994	Wood				
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Apres	241 042		Oct. 14, 1987	EPO			YES	NO
1	WO 94/0714	12	Mar. 31, 1994	PCT				
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	3811566	<u></u>	Oct. 27, 1988	Germany				
	537 827		Apr. 21, 1993	EPO				
1	WO 96/3177	7	Oct. 10, 1996	PCT				
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Thais	1989	Hitoshi Maed	la; "Applicability o	f an Immuno-microsphere Tec J. Legal Med.; 1989; pp. 322-	hnique for a Forensia		O Blood Types:	The Use of
	1996	Andrew J. Be	eavis, et al.; "Detection of the control of the con	tion of Cell-Surface Antigens.lotechniques; 1996; pp. 498-50	Using Antibody-Con		(ACF): Applica	ution for Six-
	Derwent acession no. 93-173192, Toyobo KK: "Sensitivity detection of ligand-receptor reaction-by combining fluoreseent fine particles with objective substance, passing mixt. through flow cytometer, counting number of agglomerates etc. & JP,A,5107249 930427, DW9321							
$\sqrt{}$	1985	K.A. Muirhea	ad, et al.; "Flow Cy	tometry: Present and Future"; E	Biotechnology, April	1985; Vol. 3, pp. 337	-356	<b></b>

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## INFORMATION DISCLOSURE STATEMENT

## IN AN APPLICATION

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Group Art Unit: Unknown

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